

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066476.D
 Acq On : 31 Aug 2020 11:47
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:38:49 PM

Quant Time: Sep 01 01:16:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	156330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	212915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	189532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	101158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	87335	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	7.91	113	70386	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.34	98	256818	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.63	95	92954	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30039	22.602	ug/l	98
3) Chloromethane	2.21	50	16804	17.837	ug/l	95
4) Vinyl Chloride	2.35	62	19362	19.142	ug/l	98
5) Bromomethane	2.76	94	16569	21.901	ug/l	96
6) Chloroethane	2.92	64	13030	20.118	ug/l	95
7) Trichlorofluoromethane	3.27	101	64002	23.270	ug/l	99
8) Diethyl Ether	3.70	74	10969	17.799	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25672	18.913	ug/l	93
10) Methyl Iodide	4.30	142	26886	17.367	ug/l	98
11) Tert butyl alcohol	5.20	59	11048m	99.283	ug/l	
12) 1,1-Dichloroethene	4.06	96	23619	18.537	ug/l	87
13) Acrolein	3.93	56	3029	44.505	ug/l	90
14) Allyl chloride	4.71	41	28282	16.630	ug/l #	83
15) Acrylonitrile	5.42	53	19778	79.990	ug/l	99
16) Acetone	4.16	43	25295	91.545	ug/l #	86
17) Carbon Disulfide	4.40	76	61656	15.967	ug/l	95
18) Methyl Acetate	4.73	43	8354	16.109	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	59441	19.374	ug/l	97
20) Methylene Chloride	4.96	84	28078	14.523	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	26759	18.042	ug/l	97
22) Diisopropyl ether	6.36	45	54197	16.460	ug/l #	97
23) Vinyl Acetate	6.30	43	168253	82.543	ug/l	97
24) 1,1-Dichloroethane	6.26	63	41234	17.721	ug/l #	91
25) 2-Butanone	7.21	43	24430	77.881	ug/l	96
26) 2,2-Dichloropropane	7.20	77	57069	22.883	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	29379	18.486	ug/l	99
28) Bromochloromethane	7.54	49	12571	15.684	ug/l	94
29) Tetrahydrofuran	7.56	42	13445	75.462	ug/l	89
30) Chloroform	7.70	83	55122	20.475	ug/l	92
31) Cyclohexane	7.97	56	34479	16.202	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	61960	22.487	ug/l	96
36) 1,1-Dichloropropene	8.10	75	37477	19.291	ug/l	97
37) Ethyl Acetate	7.28	43	10345	15.657	ug/l #	63
38) Carbon Tetrachloride	8.09	117	59518	23.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	45341	19.813	ug/l	97
40) Benzene	8.34	78	98781	19.328	ug/l	97
41) Methacrylonitrile	7.54	41	8623m	21.162	ug/l	
42) 1,2-Dichloroethane	8.41	62	39924	22.180	ug/l	99
43) Isopropyl Acetate	8.44	43	22831	17.215	ug/l	97
44) Trichloroethene	9.10	130	32543	19.597	ug/l	94
45) 1,2-Dichloropropane	9.38	63	20086	17.336	ug/l	88
46) Dibromomethane	9.47	93	13818	19.155	ug/l	97
47) Bromodichloromethane	9.66	83	41263	20.800	ug/l	95
48) Methyl methacrylate	9.45	41	12368	18.085	ug/l #	82
49) 1,4-Dioxane	9.45	88	3099	369.970	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	55690	86.803	ug/l	97
52) Toluene	10.40	92	70744	20.432	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	38014	20.194	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	40621	19.225	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	18282	18.720	ug/l	89
56) Ethyl methacrylate	10.66	69	19873	17.579	ug/l #	86
57) 1,3-Dichloropropane	10.94	76	30909	19.134	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	41517	88.422	ug/l	93
59) 2-Hexanone	10.98	43	37580	83.042	ug/l	99
60) Dibromochloromethane	11.14	129	29941	20.340	ug/l	95
61) 1,2-Dibromoethane	11.24	107	17134	17.828	ug/l	98
64) Tetrachloroethene	10.87	164	31762	22.091	ug/l	90
65) Chlorobenzene	11.67	112	80257	21.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	33654	21.839	ug/l	98
67) Ethyl Benzene	11.74	91	141649	21.341	ug/l	96
68) m/p-Xylenes	11.86	106	109283	43.196	ug/l	97
69) o-Xylene	12.18	106	50713	21.547	ug/l	97
70) Styrene	12.19	104	86413	21.383	ug/l	97
71) Bromoform	12.36	173	17687	20.231	ug/l #	99
73) Isopropylbenzene	12.48	105	143144	21.124	ug/l	99
74) N-amyl acetate	12.28	43	20308	16.593	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17163	17.730	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	15224m	21.393	ug/l	
77) Bromobenzene	12.76	156	36338	21.127	ug/l	95
78) n-propylbenzene	12.82	91	162189	20.874	ug/l	96
79) 2-Chlorotoluene	12.91	91	91199	20.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	129402	22.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	6517	19.439	ug/l	91
82) 4-Chlorotoluene	13.01	91	98095	20.864	ug/l	97
83) tert-Butylbenzene	13.23	119	110726	21.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	125470	21.833	ug/l	100
85) sec-Butylbenzene	13.40	105	139039	20.881	ug/l	98
86) p-Isopropyltoluene	13.52	119	144097	22.444	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	69208	21.556	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	69444	21.542	ug/l	99
89) n-Butylbenzene	13.85	91	117206	20.687	ug/l	99
90) Hexachloroethane	14.11	117	25054	19.754	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	60085	21.739	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4138	20.381	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	44890	20.804	ug/l	98
94) Hexachlorobutadiene	15.27	225	31637	23.594	ug/l	95
95) Naphthalene	15.41	128	67467	19.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	36952	19.991	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

